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NPIC/TSSG/RED-043/70  
30 January 1970

MEMORANDUM FOR: Chief, Technical Services & Support Group  
ATTENTION : [ ] PPS/TSSG  
SUBJECT : RED Monthly Report on Significant Events  
(January 1970)

A. Significant Items of Interest for January 1970.

1. [ ] Proposal. A proposal was received from [ ] for "An Analysis of Display Technology." This proposal suggests studying electronic technology of displaying imagery. It is currently being evaluated.
2. ORD Coordination. On 12 January, [ ] accompanied [ ] NPIC consultant on visual perception, and [ ] ORD/DDS&T, to [ ]. The purpose of the visit was to review an ORD project on "Dichoptic Image Presentation" (using the eyes simultaneously as separate information channels) being conducted by [ ].
3. Color Briefing. On 8 January, the Executive Director, Group Chiefs, and other senior Center management were briefed by [ ] on RED's Color implementation plan.
4. Visual Process Research Program. On 14 January, the Executive Director, NPIC, and Chief, TSSG, were briefed by [ ] on the Center's Research Program on the Visual Process.
5. Seminar on Convergence Angle of Microscopes. On 29 and 30 January, ATB/HFS sponsored a technical seminar on research plans to investigate "Convergence Angle of Microscopes."
6. Color Evaluation Summary. On 23 January, [ ] prepared a summary of the IEG color evaluation and RED Color Report for Chief, TSSG.

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- 25X1 7. Automatic Stereo Scanner. Two proposals are being prepared, one from [ ] for the completion of the scanner, and one from the [ ] for an alternative program of research into stereo scanning using certain available equipment to obtain preliminary answers. [ ] proposal has been delayed and is due in RED by 30 January 1970. On 20 January, [ ] provided a preliminary briefing of their proposed research program--a formal proposal is expected during the first week of February. 25X1
- 25X1 8. Image Comparison Microstereoscope. Although [ ] 25X1  
[ ] promised written confirmation of their December 4th oral commitment to [ ] and [ ] to absorb excess costs within their target fee, such a letter has not yet been received. Furthermore, they have put a limit of [ ] on the excess costs they will absorb. Nevertheless, they are still predicting that the actual costs will not exceed that figure. The revised schedule for shipment on 25 April 1970 is still being quoted despite certain assembly problems in recent weeks. The mechanical action of the pantagraph stage translation mechanism was tested satisfactorily by the project monitor on 16 January; however, the complete optical system was not available to test the precise stereo adjustment and scanning motion. 25X1
- 25X1 9. Personnel Changes. As of 19 January, [ ] 25X1  
[ ] was reassigned from RED/TSSG to a one-year rotational assignment in PPBS/NPIC. [ ] a co-op student, EOD'd in the Exploratory Laboratory on 12 January for a three-month tour of duty. 25X1
- 25X1 10. [ ] Contract Management Consultation. On 22 January, 25X1  
personnel from the Office of Logistics and NPIC met with [ ] top management to discuss potential causes of overruns on [ ] R&D contracts. The meeting was quite fruitful and, hopefully, will result in improved contract management by [ ] 25X1

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11. Presentation of Visual Perception and Physical Properties of Color. On 14 January [ ] 25X1  
[ ] of the National Bureau of Standards discussed with RED personnel the complexities of the visual perception and physical properties of color as they might be applied to photointerpretation. Tentative arrangements have been made for a related management level demonstration to be given in the NPIC auditorium on 26 February 1970.
- 25X1
12. OIS Up-dating. Under a continuing assignment, [ ] 25X1  
[ ] has been bringing the RED contributions to the DDS&T Contract Information System up to date. Where 16 contracts were initially entered, 36 are now. Some of the missing contracts date to Fiscal Year 1967. Additionally a system is being designed (on paper) to eliminate the duplication between the DDS&T requirements and the Project Information Sheets set up in RED.
13. Standardized Naming Guide. The program to establish a standardized project naming guide is moving forward and showing some hopeful signs of progress.
14. DYLUX. [ ] visited NPIC on 7 January 1970 and presented a movie, talk and demonstration on the various capabilities and uses of the DYLUX photoreproduction materials. Samples and literature were distributed. Since schedule conflicts and poor weather presented a considerable number of Center personnel from attending the presentation, another briefing is planned for the near future. 25X1
- 25X1
15. [ ] Proposals. Proposals for an enlarger/reader/printer and for a modified P. I. reproducing light table have been received from the [ ] 25X1
- 25X1
16. [ ] Proposal for Additional Computer Storage. Messrs. [ ] visited [ ] for the main purpose of discussing additional computer storage requirements for the High Precision Stereo Comparator. A proposal is expected by the first week in February. A review and recommendations will follow shortly after receiving the proposal. 25X1

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17. Dry Silver Step-and-Repeat Printer/Reader. The dry silver step-and-repeat printer/processor is no longer required as part of the basic R&D program. This printer/processor was conceived in 1965 and was completed in 1967. Since that time, it has been used as GFE in the development of dry silver and dry diazo photoreproduction materials. However, this program has progressed to the point where this particular printer/processor can be released for use by the Center and/or the community. RED can supply particulars and support requirements for any potential users.

18. Mid-70's P. I. Workstation. On 8 January, Mr. [ ] was assigned as Coordinating Officer for the evaluation of the proposed Mid-70's P. I. Workstation.

19. Budget. On 16 January, [ ] managed the preparation of the RED FY-70 Mid-Year Budget Review and the compilation and revision of the RED 5-Year Plan.

B. Anticipated Items of Interest for February 1970.

1. [ ] Demonstration. On 6 February, there will be a second demonstration of the [ ] Graphics Terminal capabilities as they might be applied to automated editing and graphics. This demonstration will be held at the National Institute of Health in Bethesda. Invitations to attend this demonstration have been submitted to the Center's Groups.

2. Stereogram Printer Optical Development. This effort, under PAR 253 of the special [ ] contract with [ ] was started in July 1969 to design, fabricate, and test a bread-board printer with the optical elements necessary to compensate for distortions and print high-quality stereograms readily fusible with simple, low-cost stereoscopes. Although intended as a 12-month feasibility study, the [ ] has encountered difficulties with the optical design which will add substantially to the cost and time to complete. Consequently, they will provide by mid-February 1970 a revised statement of work for the first 12

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months ending on 30 June 1970. It is expected to contain only the optical design and an interim report--at a cost of approximately [ ] leaving a balance of approximately [ ]. The OSP contracting officer has stated that the balance can be transferred to a new contract, along with additional funds, if continuation of the project beyond the design is indicated. For advanced planning purposes, a budgetary proposal will be provided by [ ] in April 1970 for fabrication and test of the breadboard. Precise costs will not be available until after the design is completed in June 1970.

C. See Attachment 1 (TOP SECRET - [ ]) for the report of RED/RSB significant events for January 1970.

[ ]  
Deputy Chief  
Research & Engineering Division

Attachment:

1. [ ]

Distribution:

Orig - TSSG w/att. 1  
2 - TSSG/RED w/o att.

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